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FAX COVER SHEET

DATE: June 22, 2004

TOTAL NUMBER OF PAGES: 8

TO: **Examiner J. Tung - Art Unit 1637**
United States Patent & Trademark Office

FAX NO.: (703) 872-9306

PHONE NO.: (571) 272-0790

FROM: Mark J. Hyman (Reg. No. 46,789)

RE: Application No. 09/830,230
Application of: Choi et al.

Any. Docket No. PB481US
Filed: September 27, 2001

**The following documents were filed by Human Genome Sciences, Inc.
via facsimile on June 22, 2004:**

1. Fax Cover Sheet
2. Fee Transmittal Sheet
3. Amendment Under 37 C.F.R. § 1.111
4. Certificate of Transmission Under 37 C.F.R. § 1.8

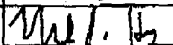
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PTO/SB/17 (10-03)

Approved for use through 7/31/2005. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004				Complete if Known																																																																																																																																																																																					
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ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1806</td><td>1,840*</td><td>1806</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - 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SUBMITTED BY Name (Print/Type) Mark J. Hyman Signature 				(Complete if applicable) Registration No. (Attorney/Agent) 46,789 Telephone (240) 314-1224 Date June 22, 2004																																																																																																																																																																																					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Choi et al.

Application No.: 09/830,230

Filed: April 24, 2001

For: Lyme Disease Vaccines

Docket No.: PB481US

Confirmation No.: 3043

Art Unit: 1637

Examiner: J. Tung

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JUN 22 2004

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AMENDMENT UNDER 37 C.F.R. § 1.111

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed March 26, 2004, please consider the following amendments and remarks. Submitted concurrently herewith are: (a) a Fee Transmittal Sheet, with appropriate fee; and (b) a Certificate of Transmission Under 37 C.F.R. § 1.8.

Please amend the application as follows: